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### REMARKS

This amendment is responsive to the Office Action of June 2, 2008. Reconsideration and allowance of **claims 1, 2, 4, 5, 7-13 and 16-21** are requested.

### The Office Action

**Claims 1-3, 6-14, and 18-21** were rejected under 35 U.S.C. 102(e) as being anticipated by Ohara (U.S. Patent No. 6,529,618)

**Claims 4-5 and 15-17** were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### The Present Application

The present application is directed to a radiation detecting apparatus which converts individual received radiation events into corresponding radiation event signals. In the case of a defective radiation converting element the radiation detecting apparatus generates radiation event signals based on a radiation event signal from a one of the adjacent radiation converting elements of the array on a random basis. Each time a neighboring element which is randomly selected, e.g. by passing a token, an event signal for the defective element is generated.

One objective of the present inventions is to provide correct data from dead or out of specification pixels. Pixels that do not generate correct data cause artifacts in the reconstruction image

The above description of the present application is presented to the Examiner as background information to assist the Examiner in understanding the application. The above description is not used to limit the claims in any way.

### The References of Record

Ohara et al. is directed to a radiation image processing apparatus with a defect detecting and correction device. The radiation image processing apparatus converts irradiated radiation into electric signals and detects image defects. When defects are detected the apparatus corrects the image on the basis of the defect information and an average of the specified surrounding pixels.

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**Allowable Subject Matter**

**Claims 4 and 5** have been indicated by Examiner as containing allowable subject matter. **Claim 4** has been amended to place it in independent format. Accordingly, it is submitted that independent **claim 4 and claim 5** which depends therefrom are in condition for allowance.

**The Claims Distinguish Patentably  
Over the References of Record**

**Claims 1-2, 6-13, and 18-21** are not anticipated by Ohara (U.S. Patent No. 6,529,618).

More specifically, in regards to **claim 1**, Ohara does not disclose "each time the selected contributing element receives a radiation event, generating both an event signal for the selected contributing elements and a event signal for the defective elements" and "while radiation events are being received, randomly changing the selecting contributing element." The Examiner refers Applicant to Col. 9 lines 16-38 which discloses correcting defective pixels by calculating the average level of the pixels that are adjacent or surrounding the defective pixel in order to generate the defective pixels image. Ohara does not disclose that while the radiation events are being received that the selected contributing elements is being randomly changed.

Accordingly it is submitted that **claim 1 and claims 2 and 7-10** which depend therefrom are not anticipated by Ohara.

**Claim 11** has been amended to incorporate allowable subject matter of **claim 4**. It is accordingly submitted that **claim 11** is in condition for allowance.

**Claim 12** has been amended to incorporate subject matter from dependent **claims 14 and 15**. **Claim 15** has been indicated as containing allowable subject matter and it is accordingly submitted that **claim 12** is in condition for allowance.

Accordingly it is submitted that **claim 12 and claims 13 and 16-20** which depend therefrom are not anticipated by Ohara.

**Claim 21** has been amended to include "generating radiation event signals for defective detector elements- in response to receiving a radiation event signal corresponding to randomly selected contributing detector elements" and that the selected contributing elements are changing randomly. Ohara does not disclose

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that the generated radiation event signal corresponds to a randomly selected contributing detector element.

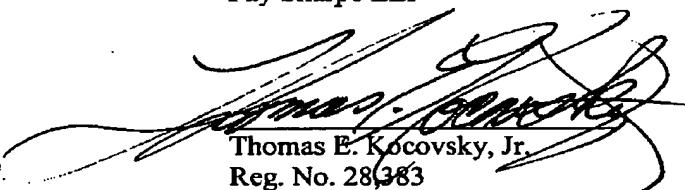
**CONCLUSION**

For the reasons set forth above, it is submitted that **claims 2, 4, 5, 7-13, and 16-21** (all claims) distinguish patentably over the references of record and meet all statutory requirements. An early allowance of all claims is requested.

In the event the Examiner considers personal contact advantageous to the disposition of this case, he is requested to telephone Thomas E. Kocovsky at (216) 861-5582.

Respectfully submitted,

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